
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hitoshi KITAGAWA

Attorney Docket No.: ALPSP149

Application No.: Unassigned

Examiner: Unassigned

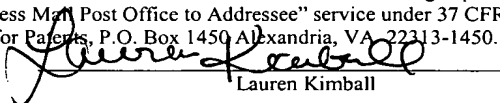
Filing Date: Herewith

Group: Unassigned

Title: MACH-ZEHNDER INTERFEROMETER
OPTICAL SWITCH AND MACH-ZEHNDER
INTERFEROMETER TEMPERATURE SENSOR

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on March 16, 2004 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV333987117US, addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.


Lauren Kimball

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§1.56 AND 1.97(c)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

1. Japanese Patent Publication No. 7-181087 –A computerized English translation of the Japanese publication is included herewith.
2. Japanese Patent Publication No. 2000-29079 –A computerized English translation of the Japanese publication is included herewith.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is being filed concurrently with the above-referenced patent application. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0388 (Order No. ALPSP149).

Respectfully submitted,
BEYER WEAVER & THOMAS, LLP


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| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Atty Docket No. | Application No.: |
| | ALPSP149 | Unassigned |
| | Applicant: | |
| | Hitoshi KITAGAWA | |
| Filing Date | Group | |
| Herewith | Unassigned | |

U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class | Filing Date |
|------------------|-----|--------------|----------|-----------------|-------|-----------|-------------|
| | A | 6,643,431 B2 | 11/04/03 | Hatayama et al. | | | |
| | B | | | | | | |
| | C | | | | | | |
| | D | | | | | | |
| | E | | | | | | |
| | F | | | | | | |
| | G | | | | | | |
| | H | | | | | | |
| | I | | | | | | |

Foreign Patent or Published Foreign Patent Application

| Examiner Initial | No. | Document No. | Publication Date | Country or Patent Office | Class | Sub-class | Translation | |
|------------------|-----|--------------|------------------|--------------------------|-------|-----------|-------------|----|
| | | | | | | | Yes | No |
| | J | 7-181087 | 07/18/95 | Japan | | | | |
| | K | 2000-29079 | 01/28/00 | Japan | | | | |
| | L | | | | | | | |
| | M | | | | | | | |
| | N | | | | | | | |

Other Documents

| Examiner Initial | No. | Author, Title, Date, Place (e.g. Journal) of Publication |
|------------------|-----|--|
| | O | |
| | P | |
| | Q | |
| Examiner | | Date Considered |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.